

## WEST Search History

DATE: Monday, March 03, 2003

<u>Set Name</u> side by side	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u> result set
<i>DB=USPT,JPAB,EPAB,DWPI,TDBD; PLUR=YES; OP=OR</i>			
L8	L7 and tamoxifen	0	L8
L7	(ether adj1 lipid\$) same liposome\$	46	L7
L6	(ether lipid\$) same liposome\$	9277	L6
L5	tamoxifen same-liposome\$	18	L5
L4	tamoxifen sameliposome\$	2297	L4
L3	L1 and liposome\$	15	L3
L2	L1 and tamoxifen	1	L2
L1	alkylphospholipid\$	34	L1

END OF SEARCH HISTORY

# WEST Search History

DATE: Monday, March 03, 2003

<u>Set Name</u> side by side	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u> result set
<i>DB=USPT,JPAB,EPAB,DWPI,TDBD; PLUR=YES; OP=OR</i>			
L5	L4 and liposome\$	1	L5
L4	cyanoaziridine\$	36	L4
L3	liposome\$ same cyanoaziridine\$	0	L3
L2	liposome\$ and imexon	4	L2
L1	liposome\$ same imexon	0	L1

END OF SEARCH HISTORY

**WEST**[Generate Collection](#)[Print](#)**Search Results - Record(s) 1 through 4 of 4 returned.**☐ 1. Document ID: US 6331289 B1

L2: Entry 1 of 4

File: USPT

Dec 18, 2001

US-PAT-NO: 6331289

DOCUMENT-IDENTIFIER: US 6331289 B1

TITLE: Targeted diagnostic/therapeutic agents having more than one different vectors

DATE-ISSUED: December 18, 2001

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Klaveness; Jo	Olso			NO
Rongved; P.ang.l	Olso			NO
H.o slashed.gset; Anders	Olso			NO
Tolleshaug; Helge	Olso			NO
Cuthbertson; Alan	Olso			NO
Hoff; Lars	Olso			NO
Bryn; Klaus	Olso			NO
Hellebust; Halldis	Olso			NO
Solbakken; Magne	Olso			NO

US-CL-CURRENT: [424/9.52](#); [424/1.21](#), [424/450](#), [424/9.4](#), [424/9.6](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RWC
Draw Desc	Image										

☐ 2. Document ID: US 6264917 B1

L2: Entry 2 of 4

File: USPT

Jul 24, 2001

US-PAT-NO: 6264917

DOCUMENT-IDENTIFIER: US 6264917 B1

TITLE: Targeted ultrasound contrast agents

DATE-ISSUED: July 24, 2001

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Klaveness; Jo	Oslo			NO
Rongved; P.ang.l	Oslo			NO
L.o slashed.vhaug; Dagfinn	Oslo			NO

US-CL-CURRENT: [424/9.52](#); [600/458](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC
Draw Desc	Image										

☐ 3. Document ID: US 6261537 B1

L2: Entry 3 of 4

File: USPT

Jul 17, 2001

US-PAT-NO: 6261537

DOCUMENT-IDENTIFIER: US 6261537 B1

TITLE: Diagnostic/therapeutic agents having microbubbles coupled to one or more vectors

DATE-ISSUED: July 17, 2001

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Klaveness; Jo	Oslo			NO
Rongved; P.ang.1	Oslo			NO
H.o slashed.gset; Anders	Oslo			NO
Tolleshaug; Helge	Oslo			NO
N.ae buttet.vestad; Anne	Oslo			NO
Hellebust; Halldis	Oslo			NO
Hoff; Lars	Oslo			NO
Cuthbertson; Alan	Oslo			NO
L.o slashed.vhaug; Dagfinn	Oslo			NO
Solbakken; Magne	Oslo			NO

US-CL-CURRENT: 424/9.52; 424/1.29, 424/489, 424/9.32, 424/9.4, 424/9.6

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KMC
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☐ 4. Document ID: AU 200216672 A WO 200241871 A2

L2: Entry 4 of 4

File: DWPI

Jun 3, 2002

DERWENT-ACC-NO: 2002-471692

DERWENT-WEEK: 200263

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TITLE: Liposomal composition useful for the treatment of cancer comprises imexon or its derivative and at least one lipid

INVENTOR: HERSH, E M; LOPEZ-BERESTEIN, G ; REMERS, W A

PRIORITY-DATA: 2000US-0721040 (November 21, 2000)

## PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
AU 200216672 A	June 3, 2002		000	A61K009/00
WO 200241871 A2	May 30, 2002	E	107	A61K009/00

INT-CL (IPC): A61 K 9/00

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KMC
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Terms	Documents
liposome\$ and imexon	4

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**WEST**

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L1: Entry 6 of 34

File: USPT

Jun 23, 1998

US-PAT-NO: 5770593

DOCUMENT-IDENTIFIER: US 5770593 A

TITLE: Method of determining a pharmaceutical combination preparations for use in anti-neoplastic therapy

DATE-ISSUED: June 23, 1998

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Grunicke; Hans Hermann	Mils			AT
Herrmann; Dieter	Heidelberg			DE
Hofmann; Johann	Scharnitz			AT
Bosies; Elmar	Weinheim			DE

US-CL-CURRENT: 514/200; 424/649, 514/211.08, 514/456, 514/50, 514/736

## CLAIMS:

What is claimed is:

1. Process for preparing a synergistic pharmaceutical combination preparation with anti-neoplastic action, comprising the steps:

(a) determining the protein kinase C inhibition of a first active material which shows protein kinase C inhibition effect, wherein the determining is done by an assay of inhibition of protein kinase in vitro or inhibition of protein kinase in vivo;

(b) determining the synergistic effect of said first active material with a second active material having an antineoplastic action by measuring cell proliferation;

(c) identifying the combinations of said first active material and said second active material which have a synergistic antineoplastic effect; and

(d) preparing a pharmaceutical preparation comprising said first active material and said second active material.

2. A process according to claim 1, wherein the second active material having anti-neoplastic activity is a lipid, lipid analogous, a cytostatic compound or a compound with phospholipase-inhibiting action.

3. A process according to claim 2, wherein the second active material having anti-neoplastic action is a cytostatic compound.

4. A process according to claim 3, wherein the cytostatic compound is an alkylant, a metal complex compound, an antimetabolite, an antibiotic, a hormone antagonist or a corticoid.

5. A process according to claim 3, wherein the cytostatic compound is cyclophosphamide, chlorambucil, cisdiamminedichloroplatinum (II), methotrexate,

5-fluorouracil, doxorubicin, bleomycin or tamoxifen.

6. A process according to claim 3, wherein the inhibitor of protein kinase C is quercetin, tamoxifen, ilmofosin, ET-18-OCH.sub.3 or staurosporin.

7. A process according to claim 1, wherein the first active material is an inhibitor of protein kinase C selected from the group consisting of lipids, phospholipids, glycolipids, neutral lipids and O-alkyl and halogenated derivatives of neutral lipids.

8. A process according to claim 1, wherein the first active material is ilmofosin and the second active material is cis-diamminedichloreoplatinum (II).

9. The process of claim 1 wherein the inhibitor of protein kinase C is quercetin, ilmofosin, ET-18-OCH.sub.3 or staurosporin.

10. A process for determining the synergistic activity of a combination neoplastic composition, comprising the steps:

(a) determining the protein kinase C inhibition activity of a first active material, wherein the determining is done by an assay of inhibition of protein kinase in vitro or inhibition of protein kinase in vivo;

(b) determining the synergistic effect of said first material with a second active material having antineoplastic action by measuring cell proliferation; and

(c) and identifying the combinations which have a synergistic effect.

# WEST



**Search Results - Record(s) 31 through 34 of 34 returned.**

☐ 31. Document ID: JP 2002522442 W DE 19835611 A1 WO 200008031 A1 EP 1102775 A1

L1: Entry 31 of 34

File: DWPI

Jul 23, 2002

DERWENT-ACC-NO: 2000-257607

DERWENT-WEEK: 200263

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TITLE: New, stable phospholipids having synthetic unsaturated alkyl or acyl chains, used as cytostatic or antiprotozoal agents, liposome components or solubilizers

INVENTOR: EIBL, H; HOTTKOWITZ, T

PRIORITY-DATA: 1998DE-1035611 (August 6, 1998)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 2002522442 W	July 23, 2002		218	C07F009/10
DE 19835611 A1	February 10, 2000		086	C07F009/10
WO 200008031 A1	February 17, 2000	G	000	C07F009/10
EP 1102775 A1	May 30, 2001	G	000	C07F009/10

INT-CL (IPC): A61 K 9/127; A61 K 9/20; A61 K 31/66; A61 K 31/661; A61 K 31/685; A61 K 31/70; A61 K 47/24; A61 K 47/28; A61 K 48/00; A61 P 33/02; A61 P 35/00; A61 P 43/00; C07 C 27/02; C07 C 29/147; C07 C 29/159; C07 C 33/025; C07 C 51/09; C07 C 51/41; C07 C 57/03; C07 C 67/333; C07 C 215/90; C07 F 9/10; C07 F 9/113; C12 N 15/09; C12 N 15/88

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RMC
Draw Desc	Clip Img	Image									

☐ 32. Document ID: US 5356787 A WO 9425623 A1

L1: Entry 32 of 34

File: DWPI

Oct 18, 1994

DERWENT-ACC-NO: 1994-332339

DERWENT-WEEK: 199441

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TITLE: Assay method - for identifying cpds. modulating myocardial calcium-independent phospholipase-A2 activity

INVENTOR: GROSS, R

PRIORITY-DATA: 1993US-0053616 (April 23, 1993)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
US 5356787 A	October 18, 1994		023	C12Q001/34
WO 9425623 A1	November 10, 1994	E	052	C12Q001/34



INT-CL (IPC): A61K 37/54; A61K 37/62; A61K 43/00; C12N 9/12; C12N 9/14; C12Q 1/34;  
C12Q 1/42; G01N 23/00; G01N 33/48; G01N 35/08

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RWC
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☐ 33. Document ID: US 5145844 A

L1: Entry 33 of 34

File: DWPI

Sep 8, 1992

DERWENT-ACC-NO: 1992-323346

DERWENT-WEEK: 199616

COPYRIGHT 2003 DERWENT INFORMATION LTD

TITLE: Treatment of pain and phospholipase A2 mediated inflammation - with  
alkyl:phospholipid(s), e.g. 4-hydroxy-N,N-tri:methyl-9-phenyl:methoxy-3-  
,5-dioxa-4-phospha:octadeca-1-aminium 4-oxide, hydroxide, index salt mono:hydrate

INVENTOR: SHOGER, K D; TEGELER, J J

PRIORITY-DATA: 1989US-0367926 (June 15, 1989), 1987US-0076966 (July 23, 1987),  
1991US-0664695 (March 5, 1991)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
US 5145844 A	September 8, 1992		016	A61K031/685

INT-CL (IPC): A61K 31/685

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RWC
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☐ 34. Document ID: EP 332129 A AU 8931134 A DK 8901145 A PT 89966 A JP 02004793 A  
US 4888328 A ZA 8901761 A US 5036152 A

L1: Entry 34 of 34

File: DWPI

Sep 13, 1989

DERWENT-ACC-NO: 1989-265366

DERWENT-WEEK: 199616

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TITLE: New alkoxy-and alkylamino- carbonyl:alkyl:phospholipid(s) - having  
antiinflammatory activity

INVENTOR: HRIB, N J; SHOGER, K D ; TEGELER, J J

PRIORITY-DATA: 1988US-0166285 (March 10, 1988), 1989US-0403892 (September 5, 1989)

PATENT-FAMILY:

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RWC
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PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
EP 332129 A	September 13, 1989	E	019	
AU 8931134 A	September 14, 1989		000	
DK 8901145 A	September 11, 1989		000	
PT 89966 A	November 10, 1989		000	
JP 02004793 A	January 9, 1990		000	
US 4888328 A	December 19, 1989		008	
ZA 8901761 A	April 25, 1990		000	
US 5036152 A	July 30, 1991		000	

INT-CL (IPC): A61K 31/66; C07C 0/00; C07D 277/04; C07D 295/04; C07F 9/09

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC
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alkylphospholipid\$

34

**Display Format:**

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**WEST**[Generate Collection](#)[Print](#)**Search Results - Record(s) 1 through 30 of 34 returned.**☐ 1. Document ID: US 6344576 B1

L1: Entry 1 of 34

File: USPT

Feb 5, 2002

US-PAT-NO: 6344576

DOCUMENT-IDENTIFIER: US 6344576 B1

TITLE: Phospholipid-analogous compounds

DATE-ISSUED: February 5, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Eibl; Hans-Jorg	Bovenden			DE

US-CL-CURRENT: 554/82; 424/450, 554/79, 554/80

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
<a href="#">Draw Desc</a>	<a href="#">Image</a>								

[KWWC](#)☐ 2. Document ID: US 6017891 A

L1: Entry 2 of 34

File: USPT

Jan 25, 2000

US-PAT-NO: 6017891

DOCUMENT-IDENTIFIER: US 6017891 A

TITLE: Stable preparation for the treatment of blood coagulation disorders

DATE-ISSUED: January 25, 2000

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Eibl; Johann	Vienna			AT
Schwarz; Hans Peter	Vienna			AT
Siekmann; Juergen	Vienna			AT
Turecek; Peter	Vienna			AT

US-CL-CURRENT: 514/21; 424/450, 514/78

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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[KWWC](#)☐ 3. Document ID: US 5891714 A

L1: Entry 3 of 34

File: USPT

Apr 6, 1999

US-PAT-NO: 5891714

DOCUMENT-IDENTIFIER: US 5891714 A

TITLE: Cationic phospholipids for transfection

DATE-ISSUED: April 6, 1999

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ashley; Gary W.	Alameda	CA		
MacDonald; Robert C.	Evanston	IL		
Shida; Miho	Barrington	IL		

US-CL-CURRENT: 435/320.1; 264/4.1, 424/450, 435/325, 435/455, 514/44, 536/23.1,  
536/24.5, 558/166, 558/70, 564/15

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

KWC

☐ 4. Document ID: US 5827831 A

L1: Entry 4 of 34

File: USPT

Oct 27, 1998

US-PAT-NO: 5827831

DOCUMENT-IDENTIFIER: US 5827831 A

TITLE: Lipid nucleotide analog prodrugs for oral administration

DATE-ISSUED: October 27, 1998

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hostetler; Karl Y.	Del Mar	CA		
Kumar; Raj	San Diego	CA		
Sridhar; Nagarajan C.	Simi Valley	CA		

US-CL-CURRENT: 514/47; 514/43, 514/45, 514/46, 514/48, 514/49, 514/50, 514/51,  
514/885, 536/117, 536/118, 536/119, 536/26.7, 536/26.8

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

KWC

☐ 5. Document ID: US 5780053 A

L1: Entry 5 of 34

File: USPT

Jul 14, 1998

US-PAT-NO: 5780053

DOCUMENT-IDENTIFIER: US 5780053 A

TITLE: Cationic phospholipids for transfection

DATE-ISSUED: July 14, 1998

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ashley; Gary W.	Alameda	CA		
MacDonald; Robert C.	Evanston	IL		
Shida; Miho	Barrington	IL		

US-CL-CURRENT: 424/450

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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RWC

☐ 6. Document ID: US 5770593 A

L1: Entry 6 of 34

File: USPT

Jun 23, 1998

US-PAT-NO: 5770593

DOCUMENT-IDENTIFIER: US 5770593 A

TITLE: Method of determining a pharmaceutical combination preparations for use in anti-neoplastic therapy

DATE-ISSUED: June 23, 1998

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Grunicke; Hans Hermann	Mils			AT
Herrmann; Dieter	Heidelberg			DE
Hofmann; Johann	Scharnitz			AT
Bosies; Elmar	Weinheim			DE

US-CL-CURRENT: 514/200; 424/649, 514/211.08, 514/456, 514/50, 514/736

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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RWC

☐ 7. Document ID: US 5744592 A

L1: Entry 7 of 34

File: USPT

Apr 28, 1998

US-PAT-NO: 5744592

DOCUMENT-IDENTIFIER: US 5744592 A

TITLE: Lipid prodrugs for oral administration

DATE-ISSUED: April 28, 1998

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hostetler; Karl Y.	Del Mar	CA		
Kumar; Raj	San Diego	CA		
Sridhar; Nagarajan C.	Simi Valley	CA		

US-CL-CURRENT: 536/22.1; 544/276, 558/152, 558/169

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

RWC

☐ 8. Document ID: US 5698677 A

L1: Entry 8 of 34

File: USPT

Dec 16, 1997

US-PAT-NO: 5698677

DOCUMENT-IDENTIFIER: US 5698677 A

TITLE: Stable preparation for the treatment of blood coagulation disorders

DATE-ISSUED: December 16, 1997

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Eibl; Johann	Vienna			AT
Schwarz; Hans Peter	Vienna			AT
Siekman; Jurgen	Vienna			AT
Turecek; Peter	Vienna			AT

US-CL-CURRENT: 530/381; 424/450, 424/529, 435/236, 530/380, 530/382, 530/383, 530/384

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

RWC

☐ 9. Document ID: US 5695780 A

L1: Entry 9 of 34

File: USPT

Dec 9, 1997

US-PAT-NO: 5695780

DOCUMENT-IDENTIFIER: US 5695780 A

TITLE: Cationic phospholipids for transfection

DATE-ISSUED: December 9, 1997

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ashley; Gary W.	Alameda	CA		
MacDonald; Robert C.	Evanston	IL		

US-CL-CURRENT: 424/450; 548/113, 558/106, 558/169

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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RWC

☐ 10. Document ID: US 5688958 A

L1: Entry 10 of 34

File: USPT

Nov 18, 1997

US-PAT-NO: 5688958

DOCUMENT-IDENTIFIER: US 5688958 A

TITLE: Cationic phospholipids for transfection

DATE-ISSUED: November 18, 1997

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ashley; Gary W.	Alameda	CA		
MacDonald; Robert C.	Evanston	IL		
Shida; Miho	Barrington	IL		

US-CL-CURRENT: 548/113; 558/106

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

KIMC

☐ 11. Document ID: US 5686620 A

L1: Entry 11 of 34

File: USPT

Nov 11, 1997

US-PAT-NO: 5686620

DOCUMENT-IDENTIFIER: US 5686620 A

TITLE: Cationic phospholipids for transfection

DATE-ISSUED: November 11, 1997

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ashley; Gary W.	Alameda	CA		
MacDonald; Robert C.	Evanston	IL		
Shida; Miho	Barrington	IL		

US-CL-CURRENT: 548/113; 558/106

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

KIMC

☐ 12. Document ID: US 5661018 A

L1: Entry 12 of 34

File: USPT

Aug 26, 1997

US-PAT-NO: 5661018

DOCUMENT-IDENTIFIER: US 5661018 A

TITLE: Cationic phospholipids for transfection

DATE-ISSUED: August 26, 1997

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ashley; Gary W.	Alameda	CA		
MacDonald; Robert C.	Evanston	IL		
Shida; Miho	Barrington	IL		

US-CL-CURRENT: 435/458; 424/450, 514/44, 558/166, 558/70, 564/15

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

K/MC

☐ 13. Document ID: US 5651981 A

L1: Entry 13 of 34

File: USPT

Jul 29, 1997

US-PAT-NO: 5651981

DOCUMENT-IDENTIFIER: US 5651981 A

TITLE: Cationic phospholipids for transfection

DATE-ISSUED: July 29, 1997

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ashley; Gary W.	Alameda	CA		
MacDonald; Robert C.	Evanston	IL		
Shida; Miho	Barrington	IL		

US-CL-CURRENT: 424/450; 558/169

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

K/MC

☐ 14. Document ID: US 5484809 A

L1: Entry 14 of 34

File: USPT

Jan 16, 1996

US-PAT-NO: 5484809

DOCUMENT-IDENTIFIER: US 5484809 A

TITLE: Prodrugs for oral administration containing taxol or substituted taxol covalently bound to a phospholipid

DATE-ISSUED: January 16, 1996

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hostetler; Karl Y.	Del Mar	CA		
Sridhar; Nagarajan C.	Simi Valley	CA		

US-CL-CURRENT: 514/449; 514/12, 514/18, 514/192, 514/199, 514/2, 514/200, 514/43, 514/50, 514/885, 549/430, 549/510



Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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R/MC

☐ 15. Document ID: US 5451661 A

L1: Entry 15 of 34

File: USPT

Sep 19, 1995

US-PAT-NO: 5451661

DOCUMENT-IDENTIFIER: US 5451661 A

TITLE: Process for making lipid conjugates

DATE-ISSUED: September 19, 1995

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Wan; Barbara Y.	Tewksbury	MA		

US-CL-CURRENT: 530/345; 424/417, 424/418, 424/420, 436/142, 436/71, 530/402, 530/409, 530/410

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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R/MC

☐ 16. Document ID: US 5411947 A

L1: Entry 16 of 34

File: USPT

May 2, 1995

US-PAT-NO: 5411947

DOCUMENT-IDENTIFIER: US 5411947 A

TITLE: Method of converting a drug to an orally available form by covalently bonding a lipid to the drug

DATE-ISSUED: May 2, 1995

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hostetler; Karl Y.	Del Mar	CA		
Kumar; Raj	San Diego	CA		

US-CL-CURRENT: 514/43; 514/12, 514/18, 514/192, 514/199, 514/2, 514/200, 514/50, 514/885

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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R/MC

☐ 17. Document ID: US 5356787 A

L1: Entry 17 of 34

File: USPT

Oct 18, 1994

US-PAT-NO: 5356787

DOCUMENT-IDENTIFIER: US 5356787 A

TITLE: Method of identifying compounds that modulate myocardial calcium-independent phospholipase A.sub.2 activity

DATE-ISSUED: October 18, 1994

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Gross; Richard	St. Louis	MO		

US-CL-CURRENT: 435/18; 424/1.77, 424/1.81, 424/94.2, 424/94.6, 435/194, 435/195, 435/35, 435/4, 435/968, 436/55, 436/57, 436/63, 436/804

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	RMC
Draw Desc	Image									

☐ 18. Document ID: US 5326749 A

L1: Entry 18 of 34

File: USPT

Jul 5, 1994

US-PAT-NO: 5326749

DOCUMENT-IDENTIFIER: US 5326749 A

TITLE: Macrophage activating factor from vitamin D binding protein

DATE-ISSUED: July 5, 1994

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Yamamoto; Nobuto	Philadelphia	PA	19126	

US-CL-CURRENT: 514/8; 530/362, 530/395

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	RMC
Draw Desc	Image									

☐ 19. Document ID: US 5177002 A

L1: Entry 19 of 34

File: USPT

Jan 5, 1993

US-PAT-NO: 5177002

DOCUMENT-IDENTIFIER: US 5177002 A

TITLE: In vitro enzymatic conversion of glycosylated human vitamin D binding protein to a potent macrophage activating factor

DATE-ISSUED: January 5, 1993

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Yamamoto; Nobuto	Philadelphia	PA	19126	

US-CL-CURRENT: 435/68.1; 514/8, 530/380, 530/395, 530/402

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

KMC

☐ 20. Document ID: US 5177001 A

L1: Entry 20 of 34

File: USPT

Jan 5, 1993

US-PAT-NO: 5177001

DOCUMENT-IDENTIFIER: US 5177001 A

TITLE: In vitro enzymatic conversion of glycosylated mammalian vitamin D-binding protein to a potent macrophage activating factor

DATE-ISSUED: January 5, 1993

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Yamamoto; Nobuto	Philadelphia	PA	19126	

US-CL-CURRENT: 435/68.1; 514/8, 530/380, 530/395, 530/402

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

KMC

☐ 21. Document ID: US 5145844 A

L1: Entry 21 of 34

File: USPT

Sep 8, 1992

US-PAT-NO: 5145844

DOCUMENT-IDENTIFIER: US 5145844 A

TITLE: Methods of using hydroxy-, alkoxy- and benzyloxy-substituted phospholipids to treat phospholipase A.sub.2 -mediated conditions and to alleviate pain

DATE-ISSUED: September 8, 1992

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Tegeler; John J.	Bridgewater	NJ		
Shoger; Kirk D.	Minneapolis	MN		

US-CL-CURRENT: 514/77

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

KMC

☐ 22. Document ID: US 5036152 A

L1: Entry 22 of 34

File: USPT

Jul 30, 1991

US-PAT-NO: 5036152

DOCUMENT-IDENTIFIER: US 5036152 A

TITLE: Alkoxy carbonylalkylphospholipids and alkylaminocarbonylalkylphospholipids

DATE-ISSUED: July 30, 1991

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hrib; Nicholas J.	Somerville	NJ		
Shoger; Kirk D.	Piscataway	NJ		
Tegeler; John J.	Bridgewater	NJ		

US-CL-CURRENT: 544/57; 544/108, 544/110, 544/157, 544/337, 546/22, 546/24, 548/112,  
548/116, 548/117, 548/413, 558/117, 558/172, 558/86

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

KIMC

☐ 23. Document ID: US 5030733 A

L1: Entry 23 of 34

File: USPT

Jul 9, 1991

US-PAT-NO: 5030733

DOCUMENT-IDENTIFIER: US 5030733 A

TITLE: Hydroxy-, alkoxy- and benzyloxy-substituted phospholipids

DATE-ISSUED: July 9, 1991

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Tegeler; John J.	Bridgewater	NJ		
Shoger; Kirk D.	Minneapolis	MN		

US-CL-CURRENT: 548/413; 544/157, 544/337, 544/57, 546/22, 558/169, 568/648, 568/654

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

KIMC

☐ 24. Document ID: US 4945098 A

L1: Entry 24 of 34

File: USPT

Jul 31, 1990

US-PAT-NO: 4945098

DOCUMENT-IDENTIFIER: US 4945098 A

TITLE: Novel propane-1,3-diol derivatives and use

DATE-ISSUED: July 31, 1990

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Grue-Sorensen; Gunnar	Olstykke			DK
Nielsen; Christian K.	V rlose			DK

US-CL-CURRENT: 514/365, 514/247, 514/252.1, 514/256, 514/357, 514/358, 514/374,  
514/399, 544/224, 544/335, 544/336, 546/145, 546/146, 546/147, 546/174, 546/175,  
546/335, 546/341, 548/204, 548/236, 548/300.1, 548/338.1, 548/338.5, 548/341.5

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

K/M/C

☐ 25. Document ID: US 4888328 A

L1: Entry 25 of 34

File: USPT

Dec 19, 1989

US-PAT-NO: 4888328

DOCUMENT-IDENTIFIER: US 4888328 A

TITLE: Alkoxyacylalkylphospholipids and alkylaminocarbonylalkylphospholipids

DATE-ISSUED: December 19, 1989

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hrib; Nicholas J.	Somerville	NJ		
Shoger; Kirk D.	Piscataway	NJ		
Tegeler; John J.	Bridgewater	NJ		

US-CL-CURRENT: 514/91, 544/157, 544/337, 544/57, 546/22, 548/112, 548/413, 558/169,  
558/170, 987/105, 987/224, 987/62, 987/66, 987/82, 987/98

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

K/M/C

☐ 26. Document ID: US 4544512 A

L1: Entry 26 of 34

File: USPT

Oct 1, 1985

US-PAT-NO: 4544512

DOCUMENT-IDENTIFIER: US 4544512 A

TITLE: Tridecyloxy- or tetradecyloxy-propane derivatives

DATE-ISSUED: October 1, 1985

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hozumi; Motoo	Omiya			JP
Tsushima; Susumu	Suita			JP
Yoshioka; Yoshio	Kitakatsuragi			JP

US-CL-CURRENT: 558/169, 558/100, 987/102, 987/224, 987/233

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

K/M/C

☐ 27. Document ID: US 4426525 A

L1: Entry 27 of 34

File: USPT

Jan 17, 1984

US-PAT-NO: 4426525

DOCUMENT-IDENTIFIER: US 4426525 A

TITLE: Certain phosphoric acid ester derivatives of 1,3-dioxy propane

DATE-ISSUED: January 17, 1984

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hozumi; Motoo	Omiya			JP
Tsushima; Susumu	Suita			JP
Yoshioka; Yoshio	Nara			JP

US-CL-CURRENT: 546/22, 548/112, 558/174, 987/102, 987/224, 987/233

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

KWC

☐ 28. Document ID: JP 03077826 A

L1: Entry 28 of 34

File: JPAB

Apr 3, 1991

PUB-NO: JP403077826A

DOCUMENT-IDENTIFIER: JP 03077826 A

TITLE: PREPARATION FOR TREATING MULTIPLE SCLEROSIS

PUBN-DATE: April 3, 1991

## INVENTOR-INFORMATION:

NAME	COUNTRY
HOULIHAN, WILLIAM J	

INT-CL (IPC): A61K 31/685; A61K 31/685; C07F 9/08

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

KWC

☐ 29. Document ID: DE 19959690 A1

L1: Entry 29 of 34

File: EPAB

Jun 8, 2000

PUB-NO: DE019959690A1

DOCUMENT-IDENTIFIER: DE 19959690 A1

TITLE: Liposome-based DNA transfer agent, useful e.g. in gene therapy, contains an alkylphospholipid and additional amphiphile to improve transmembrane transport

PUBN-DATE: June 8, 2000

## INVENTOR-INFORMATION:

NAME	COUNTRY
ZEISIG, REINHARD	DE
WALTHER, WOLFGANG	DE

INT-CL (IPC): C12 N 15/88EUR-CL (EPC): C12N015/88

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

KWWC

☐ 30. Document ID: DE 19959690 A1

L1: Entry 30 of 34

File: DWPI

Jun 8, 2000

DERWENT-ACC-NO: 2000-401307

DERWENT-WEEK: 200035

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TITLE: Liposome-based DNA transfer agent, useful e.g. in gene therapy, contains an alkylphospholipid and additional amphiphile to improve transmembrane transport

INVENTOR: WALTHER, W; ZEISIG, R

PRIORITY-DATA: 1998DE-1055952 (December 4, 1998)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
DE 19959690 A1	June 8, 2000		004	C12N015/88

INT-CL (IPC): C12 N 15/88

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWWC

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alkylphospholipid\$	34

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**WEST****Search Results - Record(s) 1 through 1 of 1 returned.**☐ 1. Document ID: US 5770593 A

L2: Entry 1 of 1

File: USPT

Jun 23, 1998

US-PAT-NO: 5770593

DOCUMENT-IDENTIFIER: US 5770593 A

TITLE: Method of determining a pharmaceutical combination preparations for use in anti-neoplastic therapy

DATE-ISSUED: June 23, 1998

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Grunicke; Hans Hermann	Mils			AT
Herrmann; Dieter	Heidelberg			DE
Hofmann; Johann	Scharnitz			AT
Bosies; Elmar	Weinheim			DE

US-CL-CURRENT: 514/200; 424/649, 514/211.08, 514/456, 514/50, 514/736

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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1

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**WEST****Search Results - Record(s) 1 through 15 of 15 returned.**☐ 1. Document ID: US 6344576 B1

L3: Entry 1 of 15

File: USPT

Feb 5, 2002

US-PAT-NO: 6344576

DOCUMENT-IDENTIFIER: US 6344576 B1

TITLE: Phospholipid-analogous compounds

DATE-ISSUED: February 5, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Eibl; Hans-Jorg	Bovenden			DE

US-CL-CURRENT: 554/82; 424/450, 554/79, 554/80

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

☐ 2. Document ID: US 6017891 A

L3: Entry 2 of 15

File: USPT

Jan 25, 2000

US-PAT-NO: 6017891

DOCUMENT-IDENTIFIER: US 6017891 A

TITLE: Stable preparation for the treatment of blood coagulation disorders

DATE-ISSUED: January 25, 2000

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Eibl; Johann	Vienna			AT
Schwarz; Hans Peter	Vienna			AT
Siekmann; Juergen	Vienna			AT
Turecek; Peter	Vienna			AT

US-CL-CURRENT: 514/21; 424/450, 514/78

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

☐ 3. Document ID: US 5891714 A

L3: Entry 3 of 15

File: USPT

Apr 6, 1999

US-PAT-NO: 5891714

DOCUMENT-IDENTIFIER: US 5891714 A

TITLE: Cationic phospholipids for transfection

DATE-ISSUED: April 6, 1999

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ashley; Gary W.	Alameda	CA		
MacDonald; Robert C.	Evanston	IL		
Shida; Miho	Barrington	IL		

US-CL-CURRENT: 435/320.1; 264/4.1, 424/450, 435/325, 435/455, 514/44, 536/23.1,  
536/24.5, 558/166, 558/70, 564/15

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

K/M/C

☐ 4. Document ID: US 5780053 A

L3: Entry 4 of 15

File: USPT

Jul 14, 1998

US-PAT-NO: 5780053

DOCUMENT-IDENTIFIER: US 5780053 A

TITLE: Cationic phospholipids for transfection

DATE-ISSUED: July 14, 1998

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ashley; Gary W.	Alameda	CA		
MacDonald; Robert C.	Evanston	IL		
Shida; Miho	Barrington	IL		

US-CL-CURRENT: 424/450

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

K/M/C

☐ 5. Document ID: US 5698677 A

L3: Entry 5 of 15

File: USPT

Dec 16, 1997

US-PAT-NO: 5698677

DOCUMENT-IDENTIFIER: US 5698677 A

TITLE: Stable preparation for the treatment of blood coagulation disorders

DATE-ISSUED: December 16, 1997

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Eibl; Johann	Vienna			AT
Schwarz; Hans Peter	Vienna			AT
Siekmann; Jurgen	Vienna			AT
Turecek; Peter	Vienna			AT

US-CL-CURRENT: 530/381; 424/450, 424/529, 435/236, 530/380, 530/382, 530/383, 530/384

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

KUMC

☐ 6. Document ID: US 5695780 A

L3: Entry 6 of 15

File: USPT

Dec 9, 1997

US-PAT-NO: 5695780

DOCUMENT-IDENTIFIER: US 5695780 A

TITLE: Cationic phospholipids for transfection

DATE-ISSUED: December 9, 1997

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ashley; Gary W.	Alameda	CA		
MacDonald; Robert C.	Evanston	IL		

US-CL-CURRENT: 424/450; 548/113, 558/106, 558/169

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

KUMC

☐ 7. Document ID: US 5688958 A

L3: Entry 7 of 15

File: USPT

Nov 18, 1997

US-PAT-NO: 5688958

DOCUMENT-IDENTIFIER: US 5688958 A

TITLE: Cationic phospholipids for transfection

DATE-ISSUED: November 18, 1997

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ashley; Gary W.	Alameda	CA		
MacDonald; Robert C.	Evanston	IL		
Shida; Miho	Barrington	IL		

US-CL-CURRENT: 548/113; 558/106

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KIMC

☐ 8. Document ID: US 5686620 A

L3: Entry 8 of 15

File: USPT

Nov 11, 1997

US-PAT-NO: 5686620

DOCUMENT-IDENTIFIER: US 5686620 A

TITLE: Cationic phospholipids for transfection

DATE-ISSUED: November 11, 1997

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ashley; Gary W.	Alameda	CA		
MacDonald; Robert C.	Evanston	IL		
Shida; Miho	Barrington	IL		

US-CL-CURRENT: 548/113; 558/106

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

KIMC

☐ 9. Document ID: US 5661018 A

L3: Entry 9 of 15

File: USPT

Aug 26, 1997

US-PAT-NO: 5661018

DOCUMENT-IDENTIFIER: US 5661018 A

TITLE: Cationic phospholipids for transfection

DATE-ISSUED: August 26, 1997

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ashley; Gary W.	Alameda	CA		
MacDonald; Robert C.	Evanston	IL		
Shida; Miho	Barrington	IL		

US-CL-CURRENT: 435/458; 424/450, 514/44, 558/166, 558/70, 564/15

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KIMC

☐ 10. Document ID: US 5651981 A

L3: Entry 10 of 15

File: USPT

Jul 29, 1997

US-PAT-NO: 5651981

DOCUMENT-IDENTIFIER: US 5651981 A

TITLE: Cationic phospholipids for transfection

DATE-ISSUED: July 29, 1997

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ashley; Gary W.	Alameda	CA		
MacDonald; Robert C.	Evanston	IL		
Shida; Miho	Barrington	IL		

US-CL-CURRENT: 424/450; 558/169

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

KWC

☐ 11. Document ID: US 5451661 A

L3: Entry 11 of 15

File: USPT

Sep 19, 1995

US-PAT-NO: 5451661

DOCUMENT-IDENTIFIER: US 5451661 A

TITLE: Process for making lipid conjugates

DATE-ISSUED: September 19, 1995

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Wan; Barbara Y.	Tewksbury	MA		

US-CL-CURRENT: 530/345; 424/417, 424/418, 424/420, 436/142, 436/71, 530/402, 530/409, 530/410

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

KWC

☐ 12. Document ID: US 5411947 A

L3: Entry 12 of 15

File: USPT

May 2, 1995

US-PAT-NO: 5411947

DOCUMENT-IDENTIFIER: US 5411947 A

TITLE: Method of converting a drug to an orally available form by covalently bonding a lipid to the drug

DATE-ISSUED: May 2, 1995

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hostettler; Karl Y.	Del Mar	CA		
Kumar; Raj	San Diego	CA		

US-CL-CURRENT: 514/43; 514/12, 514/18, 514/192, 514/199, 514/2, 514/200, 514/50,  
514/885

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC
Draw Desc	Image									

☐ 13. Document ID: DE 19959690 A1

L3: Entry 13 of 15

File: EPAB

Jun 8, 2000

PUB-NO: DE019959690A1

DOCUMENT-IDENTIFIER: DE 19959690 A1

TITLE: Liposome-based DNA transfer agent, useful e.g. in gene therapy, contains an alkylphospholipid and additional amphiphile to improve transmembrane transport

PUBN-DATE: June 8, 2000

INVENTOR-INFORMATION:

NAME	COUNTRY
ZEISIG, REINHARD	DE
WALTHER, WOLFGANG	DE

INT-CL (IPC): C12 N 15/88

EUR-CL (EPC): C12N015/88

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC
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☐ 14. Document ID: DE 19959690 A1

L3: Entry 14 of 15

File: DWPI

Jun 8, 2000

DERWENT-ACC-NO: 2000-401307

DERWENT-WEEK: 200035

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TITLE: Liposome-based DNA transfer agent, useful e.g. in gene therapy, contains an alkylphospholipid and additional amphiphile to improve transmembrane transport

INVENTOR: WALTHER, W; ZEISIG, R

PRIORITY-DATA: 1998DE-1055952 (December 4, 1998)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
DE 19959690 A1	June 8, 2000		004	C12N015/88

INT-CL (IPC): C12 N 15/88

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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☐ 15. Document ID: JP 2002522442 W DE 19835611 A1 WO 200008031 A1 EP 1102775 A1

L3: Entry 15 of 15

File: DWPI

Jul 23, 2002

DERWENT-ACC-NO: 2000-257607

DERWENT-WEEK: 200263

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TITLE: New, stable phospholipids having synthetic unsaturated alkyl or acyl chains, used as cytostatic or antiprotozoal agents, liposome components or solubilizers

INVENTOR: EIBL, H; HOTTKOWITZ, T

PRIORITY-DATA: 1998DE-1035611 (August 6, 1998)

## PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 2002522442 W	July 23, 2002		218	C07F009/10
DE 19835611 A1	February 10, 2000		086	C07F009/10
WO 200008031 A1	February 17, 2000	G	000	C07F009/10
EP 1102775 A1	May 30, 2001	G	000	C07F009/10

INT-CL (IPC): A61 K 9/127; A61 K 9/20; A61 K 31/66; A61 K 31/661; A61 K 31/685; A61 K 31/70; A61 K 47/24; A61 K 47/28; A61 K 48/00; A61 P 33/02; A61 P 35/00; A61 P 43/00; C07 C 27/02; C07 C 29/147; C07 C 29/159; C07 C 33/025; C07 C 51/09; C07 C 51/41; C07 C 57/03; C07 C 67/333; C07 C 215/90; C07 F 9/10; C07 F 9/113; C12 N 15/09; C12 N 15/88

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KIMC

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# WEST Search History

DATE: Monday, March 03, 2003

<u>Set Name</u> side by side	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u> result set
<i>DB=USPT,JPAB,EPAB,DWPI,TDBD; PLUR=YES; OP=OR</i>			
L5	tamoxifen same liposome\$	18	L5
L4	tamoxifen sameliposome\$	2297	L4
L3	L1 and liposome\$	15	L3
L2	L1 and tamoxifen	1	L2
L1	alkylphospholipid\$	34	L1
END OF SEARCH HISTORY			



**WEST**

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L7: Entry 8 of 46

File: USPT

Jul 18, 2000

DOCUMENT-IDENTIFIER: US 6090955 A

TITLE: Liposome-encapsulated taxol, its preparation and its use

## CLAIMS:

11. The liposome-encapsulated taxol of claim 1, wherein it contains ether lipids as charged lipid components.

**WEST**

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L7: Entry 17 of 46

File: USPT

Jun 9, 1998

DOCUMENT-IDENTIFIER: US 5762958 A

TITLE: Multilipid component ether lipid liposomesAbstract Text (1):

Liposomes are provided which contain ether lipids having the formula: ##STR1## as well as an underivatized phosphatidylethanolamine, a sterol, and a phosphatidylethanolamine-dicarboxylic acid headgroup-derivatized lipid. These liposomes are useful in a variety of therapeutic regimens, including the treatment of cancers and inflammatory disorders.

Brief Summary Text (4):

This invention provides a liposome having a lipid bilayer which comprises: (a) an underivatized phosphatidylethanolamine; (b) a sterol; (c) a headgroup derivatized lipid containing a phosphatidylethanolamine and a dicarboxylic acid, which derivatized lipid comprises from about 5 mole percent to about 20 mole percent of the bilayer; and, (d) an ether lipid having the following formula: ##STR2## the ether lipid comprising from greater than about 10 mole percent, to less than about 30 mole percent, of the bilayer. R.sub.1 is Y.sub.1 Y.sub.2 is CH.sub.3 or CO.sub.2 H, Y.sub.1 is (CH.sub.2).sub.n1 (CH.dbd.CH).sub.n2 (CH.sub.2).sub.n3 (CH.dbd.CH).sub.n4 (CH.sub.2).sub.n5 (CH.dbd.CH).sub.n6 (CH.sub.2).sub.n7 (CH.dbd.CH).sub.n8 (CH.sub.2).sub.n9, the sum of n1+2n2+n3+2n4+n5+2n6+n7+2n8+n9 is an integer of from 3 to 23, n1 is zero or an integer of from 1 to 22, n3 is zero or an integer of from 1 to 19, n5 is zero or an integer of from 1 to 16, n7 is zero or an integer of from zero to 13, n9 is zero or an integer of from 1 to 10, and each of n2, n4, n6 and 8 is independently zero or 1.

Brief Summary Text (9):

Preferred embodiments of this invention's liposome have bilayers containing dioleoyl phosphatidylethanolamine as the underivatized PE, cholesterol as the sterol, dioleoyl phosphatidylethanolamine-glutaric acid as the headgroup-derivatized lipid and ET-18-OCH.sub.3 as the ether lipid. Most preferably, presently, the liposome's bilayer comprises about 20 mole percent of the ether lipid, about 10 mole percent of the headgroup-derivatized lipid, about 30 mole percent cholesterol and about 40 mole percent dioleoyl phosphatidylethanolamine. The liposome can further comprise an additional bioactive agent, that is an agent in addition to the ether lipid.

Brief Summary Text (10):

Also provided herein is a pharmaceutical composition comprising a pharmaceutically acceptable carrier and the liposomes of this invention. Further provided is a method of treating a mammal afflicted with a cancer, including, but not limited to: a lung, brain, colon, ovarian or breast cancer. The method comprises administering the compositions of this invention to the mammal, in an amount containing an anticancer effective amount of the ether lipid. Preferably, the liposome administered is a unilamellar liposome having an average diameter of from about 50 nm to about 200 nm. Typically, the anticancer effective amount of the ether lipid is from about 0.1 mg of the ether lipid per kg of the body weight of the mammal to about 1000 mg per kg.

Brief Summary Text (12):

Still further provided herein is a method of treating a mammal afflicted with an inflammatory disorder, e.g., an arthritic condition, asthmatic disorder or allergic reaction, which comprises administering this invention's pharmaceutical composition to the mammal, in an amount containing an anti-inflammation effective amount of the

ether lipid. Typically, the anti-inflammation effective amount of the ether lipid is from about 0.1 mg of the ether lipid per kg of the body weight of the mammal to about 1000 mg per kg. Additional bioactive agents, such as additional anti-inflammatory agents, can also be administered when the liposomes of this invention are used against inflammatory disorders.

Drawing Description Text (2):

FIG. 1. Time Course of Carboxyfluorescein Leakage from Liposomal Edelfosine Formulations Incubated at 48 deg. Celsius in PBS. ELL 28 (uppermost curve, "ELL" indicating "ether lipid liposome"): Distearoyl phosphatidylcholine ("DSPC"); cholesterol ("CHOL"); dioleoyl phosphatidylethanolamine-glutaric acid ("DOPE-GA"); edelfosine "EL," standing for "ether lipid" (the respective molar ratio of these lipid components being 4:3:1:2); ELL 30 (second from top curve): EPC:CHOL:DOPE-GA:EL (4:3:1:2); ELL 25 (middle curve): DOPE:CHOL:DOPE-GA:EL (3:3:1:3); ELL 12 (second from bottom curve): DOPC:CHOL:DOPE-GA:EL (4:3:1:2); and, ELL 20 (bottom curve): DOPE:CHOL:DOPE-GA:EL (4:3:1:2). Y-axis: % CF Leakage; x-axis: time (seconds).

Drawing Description Text (3):

FIG. 2. Comparison of Hemolytic Activity and CF Leakage in Ether Lipid Liposomes. From top-to-bottom: ELL 20 - ELL 12 - ELL 25 - ELL 30 - ELL 28 ( $y=34231x.\text{sup.}-2.1614$ ;  $R.\text{sup.2}=0.96$ ). Y-axis: Hl.sub.10; x-axis: % CF leakage upon incubation in PBS.

Detailed Description Text (2):

This invention provides a liposome having a lipid bilayer which comprises: (a) an underivatized phosphatidylethanolamine; (b) a sterol; (c) a headgroup derivatized lipid containing a phosphatidylethanolamine and a dicarboxylic acid, which derivatized lipid comprises from about 5 mole percent to about 20 mole percent of the bilayer; and, (d) an ether lipid having the following formula: ##STR4## the ether lipid comprising from greater than about 10 mole percent, to less than about 30 mole percent, of the bilayer.

Detailed Description Text (4):

Liposomes can have a single lipid bilayer (unilamellar liposomes, "ULVs"), or multiple lipid bilayers (multilamellar liposomes, "MLVs"), and can be made by a variety of methods (for a review, see, for example, Deamer and Uster (1983)). These methods include without limitation: Bangham's methods for making multilamellar liposomes (MLVs); Lenk's, Fountain's and Cullis' methods for making MLVs with substantially equal interlamellar solute distribution (see, for example, U.S. Pat. Nos. 4,522,803, 4,588,578, 5,030,453, 5,169,637 and 4,975,282); and Paphadjopoulos et al.'s reverse-phase evaporation method (U.S. Pat. No. 4,235,871) for preparing oligolamellar liposomes. ULVs can be produced from MLVs by such methods as sonication (see Paphadjopoulos et al. (1968)) or extrusion (U.S. Pat. No. 5,008,050 and U.S. Pat. No. 5,059,421). The ether lipid liposome of this invention can be produced by the methods of any of these disclosures, the contents of which are incorporated herein by reference.

Detailed Description Text (19):

Generally, when a bioactive agent's TW is less than 1, the agent cannot be administered to achieve 50% growth inhibition without causing generally unacceptable levels of hemolysis. When the TW is about 1 or greater, the bioactive agent can be administered without inducing generally unacceptable levels of hemolysis. Typically, the higher the TW value, the more therapeutically effective is the agent tested. Ether lipid liposomes having bilayers comprising headgroup-derivatized lipids can have TWs of greater than 1. Preferably, the TW of an ether lipid in a liposomal bilayer also comprising a headgroup-derivatized lipid is greater than about 1.5, more preferably, greater than about 2 and still more preferably, greater than about 3.

Detailed Description Text (23):

The liposomes of this invention can comprise one or more additional lipids, that is, lipids in addition to the sterol, underivatized PE, headgroup-derivatized lipid and ether lipid already present in the liposomes' bilayers. Additional lipids are selected for their ability to adapt compatible packing conformations with the other lipid components of the bilayer such that the lipid constituents are tightly packed and release of the lipids from the bilayer is inhibited. Lipid-based factors contributing to compatible packing conformations are well known to ordinarily skilled

artisans and include, without limitation, acyl chain length and degree of unsaturation, as well as the headgroup size and charge. Accordingly, suitable additional lipids, including various phosphatidylcholines ("PC's") such as egg phosphatidylcholine ("EPC") or dioleoyl phosphatidylcholine ("DOPC") can be selected by ordinarily skilled artisans without undue experimentation.

Detailed Description Text (24):

Preferred embodiments of this invention have the underivatized PE being DOPE, the sterol being cholesterol ("chol"), the ether lipid being ET-18-OCH.sub.3 and the headgroup-derivatized lipid being DOPE-GA. Most preferably, presently, the liposome comprises DOPE, chol, ET-18-O-CH.sub.3 in a respective molar ratio of 4:3:1:2, wherein DOPE comprises 40 mole % of the liposomes' bilayers, chol 30% mole, DOPE-GA 10 mole % and the ether lipid 20 mole %. Preferably, the liposomes are unilamellar and have an average diameter of from about 50 nm to about 200 nm, "average" meaning that the median diameter of a population of this invention's liposomes is between 50 and 200 nm.

Detailed Description Text (25):

The liposome can comprise an additional bioactive agent, that is, a bioactive agent in addition to the ether lipid. A "bioactive agent" is any compound or composition of matter that can be administered to animals, preferably humans. Such agents can have biological activity in animals; the agents can also be used diagnostically in the animals.

Detailed Description Text (31):

Further provided is a method of treating a mammal afflicted with a cancer, e.g., a brain, breast, lung, colon or ovarian cancer, or a leukemia, lymphoma, sarcoma, carcinoma, which comprises administering the pharmaceutical composition of this invention to the mammal, ether lipids being believed to be selectively cytotoxic to tumor cells. Generally, liposomal ether lipids can be used to treat cancers treated with free, that is, nonliposomal, ether lipids. However, encapsulation of an ether lipid in a liposome can enhance its therapeutic index, and therefore make the liposomal ether lipid a more effective treatment.

Detailed Description Text (33):

Preferably, the liposome administered is a unilamellar liposome having an average diameter of from about 50 nm to about 200 nm. The anti-cancer treatment method can include administration of one or more bioactive agents in addition to the liposomal ether lipid, these additional agents preferably, but not necessarily, being included in the same liposome as the ether lipid. The additional bioactive agents, which can be entrapped in liposomes' internal compartments or sequestered in their lipid bilayers, are preferably, but not necessarily, anticancer agents or cellular growth promoting factors.

Detailed Description Text (44):

Results from these studies are presented in Table 1 (see below), wherein the concentration (.mu.M) of edelfosine required to cause 10% RBC hemolysis ("H1.sub.10") in each formulation is set forth. The table's first column is a short-hand designation of the particular formulation, "ELL" standing for "ether lipid liposome." The second column indicates the components of the formulation tested, including dioleoyl phosphatidylethanolamine ("DOPE"), cholesterol ("CHOL"), dioleoyl-phosphatidylethanolamine-glutaric acid ("DOPE-GA"), dioleoyl phosphatidylcholine ("DOPC"), palmitoyldioleoyl phosphatidylcholine ("POPC"), distearoyl phosphatidylcholine ("DSPC"), egg phosphatidylcholine ("EPC") and edelfosine ("EL," for ether lipid). The respective molar ratios of the various lipid components are also set forth. The last row of the table gives the H1.sub.10 value for edelfosine alone, i.e., not incorporated in a liposome.

CLAIMS:

12. The liposome of claim 11, wherein the ether lipid is ##STR7##

13. The liposome of claim 1, wherein the underivatized phosphatidylcholine is dioleoyl phosphatidylcholine, the sterol is cholesterol, the phosphatidylethanolamine is dioleoyl phosphatidylethanolamine, the dicarboxylic acid is glutaric acid and the

ether lipid is ##STR8##

14. The liposome of claim 13, wherein the bilayer comprises about 20 mole percent of the ether lipid, about 10 mole percent of the phosphatidylethanolamine-dicarboxylic acid about 30 mole percent cholesterol and about 40 mole percent dioleoyl phosphatidylcholine.

**WEST**[Generate Collection](#)[Print](#)**Search Results** - Record(s) 1 through 30 of 46 returned.☐ 1. Document ID: US 6458773 B1

L7: Entry 1 of 46

File: USPT

Oct 1, 2002

US-PAT-NO: 6458773

DOCUMENT-IDENTIFIER: US 6458773 B1

TITLE: Nucleoside with anti-hepatitis B virus activity

DATE-ISSUED: October 1, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Gosselin; Gilles	Montpellier			FR
Imbach; Jean-Louis	Montpellier			FR
Sommadossi; Jean-Pierre	Birmingham	AL		
Schinazi; Raymond F.	Decatur	GA		

US-CL-CURRENT: [514/49](#); [514/51](#), [536/26.8](#), [536/28.2](#), [536/28.52](#)

<a href="#">Full</a>	<a href="#">Title</a>	<a href="#">Citation</a>	<a href="#">Front</a>	<a href="#">Review</a>	<a href="#">Classification</a>	<a href="#">Date</a>	<a href="#">Reference</a>	<a href="#">Sequences</a>	<a href="#">Attachments</a>
<a href="#">Draw Desc</a>	<a href="#">Image</a>								

[KIMC](#)☐ 2. Document ID: US 6403117 B1

L7: Entry 2 of 46

File: USPT

Jun 11, 2002

US-PAT-NO: 6403117

DOCUMENT-IDENTIFIER: US 6403117 B1

TITLE: Archaeosomes, archaeosomes containing coenzyme Q10 and other types of liposomes containing coenzyme Q10 adjuvants and as delivery vehicles

DATE-ISSUED: June 11, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Sprott; G. Dennis	Orleans			CA
Patel; Girishchandra B.	Nepean			CA
Makabi-Panzu; Bobby	Gatineau			CA

US-CL-CURRENT: [424/450](#); [424/1.21](#), [424/184.1](#), [424/193.1](#), [424/204.1](#), [424/812](#), [424/9.321](#), [424/9.51](#), [424/94.3](#), [436/829](#)

<a href="#">Full</a>	<a href="#">Title</a>	<a href="#">Citation</a>	<a href="#">Front</a>	<a href="#">Review</a>	<a href="#">Classification</a>	<a href="#">Date</a>	<a href="#">Reference</a>	<a href="#">Sequences</a>	<a href="#">Attachments</a>
<a href="#">Draw Desc</a>	<a href="#">Image</a>								

[KIMC](#)

☐ 3. Document ID: US 6339069 B1

L7: Entry 3 of 46

File: USPT

Jan 15, 2002

US-PAT-NO: 6339069

DOCUMENT-IDENTIFIER: US 6339069 B1

TITLE: Peptide-lipid conjugates, liposomes and liposomal drug delivery

DATE-ISSUED: January 15, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Meers; Paul R.	Princeton	NJ		
Pak; Charles	Princeton	NJ		
Ali; Shaukat	Monmouth Junction	NJ		
Janoff; Andrew	Yardley	PA		
Franklin; J. Craig	Skillman	NJ		
Erukulla; Ravi K.	Plainsboro	NJ		
Cabral-Lilly; Donna	Princeton	NJ		
Ahl; Patrick L.	Princeton	NJ		

US-CL-CURRENT: 514/44; 424/450, 435/320.1, 435/455, 435/458

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

KIMC

☐ 4. Document ID: US 6294191 B1

L7: Entry 4 of 46

File: USPT

Sep 25, 2001

US-PAT-NO: 6294191

DOCUMENT-IDENTIFIER: US 6294191 B1

TITLE: N-acyl phosphatidylethanolamine-mediated liposomal drug delivery

DATE-ISSUED: September 25, 2001

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Meers; Paul R.	Princeton Junction	NJ		
Shangguan; Tong	Princeton	NJ		
Ali; Shaukat	Monmouth Junction	NJ		
Janoff; Andrew	Yardley	PA		
Pak; Charles	Plainsboro	NJ		

US-CL-CURRENT: 424/450; 424/812, 436/829

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KIMC

☐ 5. Document ID: US 6143716 A

L7: Entry 5 of 46

File: USPT

Nov 7, 2000

US-PAT-NO: 6143716

DOCUMENT-IDENTIFIER: US 6143716 A

TITLE: Liposomal peptide-lipid conjugates and delivery using same

DATE-ISSUED: November 7, 2000

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Meers; Paul R.	Princeton Junction	NJ		
Pak; Charles	Plainsboro	NJ		
Ali; Shaukat	Monmouth Junction	NJ		
Janoff; Andrew	Yardley	PA		
Franklin; J. Craig	East Windsor	NJ		
Erukulla; Ravi K.	Plainsboro	NJ		
Cabral-Lilly; Donna	Lawrenceville	NJ		

US-CL-CURRENT: 514/2; 424/450, 514/16, 514/17, 514/18, 530/324, 530/326, 530/327,  
530/328, 530/386, 530/402

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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K/MC

☐ 6. Document ID: US 6132789 A

L7: Entry 6 of 46

File: USPT

Oct 17, 2000

US-PAT-NO: 6132789

DOCUMENT-IDENTIFIER: US 6132789 A

TITLE: Archaeosomes, archaeosomes containing coenzyme Q.sub.10, and other types of liposomes containing coenzyme Q.sub.10 as adjuvants and as delivery vehicles

DATE-ISSUED: October 17, 2000

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Sprott; G. Dennis	Orleans			CA
Patel; Girishchandra B.	Nepean			CA
Makabi-Panzu; Boby	Gatineau			CA
Tolson; Douglas L.	Victoria			CA

US-CL-CURRENT: 426/450; 424/184.1, 424/193.1, 424/812, 436/829

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

K/MC

☐ 7. Document ID: US 6120797 A



L7: Entry 7 of 46

File: USPT

Sep 19, 2000

US-PAT-NO: 6120797

DOCUMENT-IDENTIFIER: US 6120797 A

TITLE: N-acyl phosphatidylethanolamine-mediated liposomal drug delivery

DATE-ISSUED: September 19, 2000

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Meers; Paul R.	Princeton Junction	NJ		
Shangguan; Tong	Princeton	NJ		
Ali; Shaukat	Monmouth Junction	NJ		
Janoff; Andrew	Yardley	PA		
Pak; Charles	Plainsboro	NJ		

US-CL-CURRENT: 424/450; 428/402.2, 436/829

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

RMC

☐ 8. Document ID: US 6090955 A

L7: Entry 8 of 46

File: USPT

Jul 18, 2000

US-PAT-NO: 6090955

DOCUMENT-IDENTIFIER: US 6090955 A

TITLE: Liposome-encapsulated taxol, its preparation and its use

DATE-ISSUED: July 18, 2000

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Reszka; Regine	Schwanebeck			DE
Brandl; Martin	Freiburg			DE
Fichtner; Iduna	Berlin			DE
Warnke; Gernot	Freiburg			DE

US-CL-CURRENT: 549/510

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

RMC

☐ 9. Document ID: US 6090406 A

L7: Entry 9 of 46

File: USPT

Jul 18, 2000

US-PAT-NO: 6090406

DOCUMENT-IDENTIFIER: US 6090406 A

TITLE: Potentiation of immune responses with liposomal adjuvants

DATE-ISSUED: July 18, 2000

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Popescu; Mircea C.	Plainsboro	NJ		
Weiner; Alan L.	Lawrenceville	NJ		
Recine; Marie S.	Hamilton Township	NJ		
Janoff; Andrew S.	Yardley	PA		
Estis; Leonard	Upton	MA		
Keyes; Lynn D.	Upton	MA		
Alving; Carl R.	Bethesda	MD		

US-CL-CURRENT: 424/450; 264/4.1, 424/196.11, 424/204.1, 424/206.1, 424/234.1, 424/812

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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K/M/C

☐ 10. Document ID: US 6087325 A

L7: Entry 10 of 46

File: USPT

Jul 11, 2000

US-PAT-NO: 6087325

DOCUMENT-IDENTIFIER: US 6087325 A

TITLE: Peptide-lipid conjugates

DATE-ISSUED: July 11, 2000

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Meers; Paul R.	Princeton Junction	NJ		
Pak; Charles	Plainsboro	NJ		
Ali; Shaukat	Monmouth Junction	NJ		
Janoff; Andrew	Yardley	PA		
Franklin; J. Craig	East Windsor	NJ		
Erukulla; Ravi K.	Plainsboro	NJ		
Cabral-Lilly; Donna	Lawrenceville	NJ		

US-CL-CURRENT: 514/2; 424/450, 514/12, 514/16, 514/17, 514/18, 530/324, 530/326,  
530/327, 530/328, 530/402

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

K/M/C

☐ 11. Document ID: US 6017557 A

L7: Entry 11 of 46

File: USPT

Jan 25, 2000

US-PAT-NO: 6017557

DOCUMENT-IDENTIFIER: US 6017557 A

TITLE: Carriers containing an etherlipid/complementarily shape lipid combination and therapeutic uses thereof

DATE-ISSUED: January 25, 2000

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Franklin; J. Craig	Skillman	NJ		
Mayhew; Eric	Monmouth Junction	NJ		
Perkins; Walter	Hopewell Township	NJ		
Janoff; Andrew	Yardley	PA		

US-CL-CURRENT: 424/450; 428/402.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

RWC

☐ 12. Document ID: US 5993851 A

L7: Entry 12 of 46

File: USPT

Nov 30, 1999

US-PAT-NO: 5993851

DOCUMENT-IDENTIFIER: US 5993851 A

TITLE: Method for preparing biphasic multilamellar lipid vesicles

DATE-ISSUED: November 30, 1999

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Foldvari; Marianna	Saskatoon			CA

US-CL-CURRENT: 424/450; 264/4.1, 264/4.3, 264/4.32, 264/4.6, 424/1.21, 424/417, 424/85.7, 424/9.321, 424/9.51

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

RWC

☐ 13. Document ID: US 5989587 A

L7: Entry 13 of 46

File: USPT

Nov 23, 1999

US-PAT-NO: 5989587

DOCUMENT-IDENTIFIER: US 5989587 A

TITLE: Formation of stable liposomes from lipid extracts of archaeobacteria (archaeu)

DATE-ISSUED: November 23, 1999

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Sprott; G. Dennis	Ottawa			CA
Patel; Girishchandra B.	Nepean			CA
Choquet; Christian G.	Quebec			CA
Ekiel; Irena	Quebec			CA

US-CL-CURRENT: 424/450; 428/402.2, 554/213, 554/79, 554/80

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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K/M/C

☐ 14. Document ID: US 5932242 A

L7: Entry 14 of 46

File: USPT

Aug 3, 1999

US-PAT-NO: 5932242

DOCUMENT-IDENTIFIER: US 5932242 A

TITLE: Ether lipid-containing pharmaceutical compositions and therapeutic uses thereof

DATE-ISSUED: August 3, 1999

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Franklin; J. Craig	East Windsor	NJ		
Mayhew; Eric	Monmouth Junction	NJ		
Perkins; Walter	Skillman	NJ		
Janoff; Andrew	Yardley	PA		

US-CL-CURRENT: 424/450

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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K/M/C

☐ 15. Document ID: US 5916588 A

L7: Entry 15 of 46

File: USPT

Jun 29, 1999

US-PAT-NO: 5916588

DOCUMENT-IDENTIFIER: US 5916588 A

TITLE: Peptide-containing liposomes, immunogenic liposomes and methods of preparation and use

DATE-ISSUED: June 29, 1999

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Popescu; Mircea C.	Plainsboro	NJ		
Weiner; Alan L.	Lawrenceville	NJ		
Recine; Marie S.	Hamilton Township	NJ		
Janoff; Andrew S.	Yardley	PA		
Estis; Leonard	Upton	MA		
Keyes; Lynn D.	Upton	MA		
Alving; Carl R.	Bethesda	MD		

US-CL-CURRENT: 424/450; 424/184.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

KWNC

☐ 16. Document ID: US 5853755 A

L7: Entry 16 of 46

File: USPT

Dec 29, 1998

US-PAT-NO: 5853755

DOCUMENT-IDENTIFIER: US 5853755 A

TITLE: Biphasic multilamellar lipid vesicles

DATE-ISSUED: December 29, 1998

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Foldvari; Marianna	Saskatoon			CA

US-CL-CURRENT: 424/450; 264/4.1, 264/4.3, 264/4.32, 264/4.6, 424/1.21, 424/417,  
424/9.321, 424/9.51, 428/402.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

KWNC

☐ 17. Document ID: US 5762958 A

L7: Entry 17 of 46

File: USPT

Jun 9, 1998

US-PAT-NO: 5762958

DOCUMENT-IDENTIFIER: US 5762958 A

TITLE: Multilipid component ether lipid liposomes

DATE-ISSUED: June 9, 1998

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Mayhew; Eric	Monmouth Junction	NJ		
Janoff; Andrew S.	Yardley	PA		
Ahmad; Imran	Cranbury	NJ		
Bhatia; Suresh K.	New Delhi			IN

US-CL-CURRENT: 424/450; 428/402.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

KIMC

☐ 18. Document ID: US 5681589 A

L7: Entry 18 of 46

File: USPT

Oct 28, 1997

US-PAT-NO: 5681589

DOCUMENT-IDENTIFIER: US 5681589 A

TITLE: Liposomal ceramide-related liposomes and the therapeutic use thereof

DATE-ISSUED: October 28, 1997

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Wei; Yong	Branchburg	NJ		
Mayhew; Eric	Monmouth Junction	NJ		
Ahmad; Imran	Plainsboro	NJ		
Janoff; Andrew S.	Yardley	PA		

US-CL-CURRENT: 424/450; 428/402.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

KIMC

☐ 19. Document ID: US 5677337 A

L7: Entry 19 of 46

File: USPT

Oct 14, 1997

US-PAT-NO: 5677337

DOCUMENT-IDENTIFIER: US 5677337 A

TITLE: Methods of treatment using pharmaceutically active ceramide-related compositions

DATE-ISSUED: October 14, 1997

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Wei; Yong	Branchburg	NJ		
Mayhew; Eric	Monmouth Junction	NJ		
Ahmad; Imran	Plainsboro	NJ		
Janoff; Andrew S.	Yardley	PA		

US-CL-CURRENT: 514/546; 424/450, 514/549, 514/551, 514/552, 514/63

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

KIMC

☐ 20. Document ID: US 5631394 A

L7: Entry 20 of 46

File: USPT

May 20, 1997

US-PAT-NO: 5631394

DOCUMENT-IDENTIFIER: US 5631394 A

TITLE: Pharmaceutically active ceramide-related compounds

DATE-ISSUED: May 20, 1997

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Wei; Yong	Branchburg	NJ		
Mayhew; Eric	Monmouth Junction	NJ		
Ahmad; Imran	Plainsboro	NJ		
Janoff; Andrew S.	Yardley	PA		

US-CL-CURRENT: 556/404; 556/405, 562/455, 562/567, 564/169, 564/199, 564/200, 564/84,  
564/88, 564/95

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

K/MC

☐ 21. Document ID: US 5484911 A

L7: Entry 21 of 46

File: USPT

Jan 16, 1996

US-PAT-NO: 5484911

DOCUMENT-IDENTIFIER: US 5484911 A

TITLE: Nucleoside 5'-diphosphate conjugates of ether lipids

DATE-ISSUED: January 16, 1996

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hong; Chung I.	East Amherst	NY		
West; Charles R.	East Amherst	NY		
Chu; Chung K.	Athens	GA		

US-CL-CURRENT: 536/26.22; 536/27.14, 536/28.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

K/MC

☐ 22. Document ID: US 5441746 A

L7: Entry 22 of 46

File: USPT

Aug 15, 1995

US-PAT-NO: 5441746

DOCUMENT-IDENTIFIER: US 5441746 A

TITLE: Electromagnetic wave absorbing, surface modified magnetic particles for use in medical applications, and their method of production

DATE-ISSUED: August 15, 1995

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Chagnon; Mark S.	Pelham	NH		

US-CL-CURRENT: [424/450](#), [424/490](#), [424/498](#), [424/600](#), [424/617](#), [424/630](#), [424/635](#),  
[424/639](#), [424/641](#), [424/644](#), [424/646](#), [424/650](#), [428/402.24](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWWC

☐ 23. Document ID: US 5389377 A

L7: Entry 23 of 46

File: USPT

Feb 14, 1995

US-PAT-NO: 5389377

DOCUMENT-IDENTIFIER: US 5389377 A

TITLE: Solid care therapeutic compositions and methods for making same

DATE-ISSUED: February 14, 1995

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Chagnon; Mark S.	Pelham	NH		
Ferris; John R.	Newburyport	MA		
Hamilton; Tracy J.	Salem	NH		
Rudd; Edwin A.	Salem	NH		
Carter; Michelle J.	Derry	NH		

US-CL-CURRENT: [424/450](#), [424/490](#), [424/498](#), [424/600](#), [424/617](#), [424/630](#), [424/635](#),  
[424/639](#), [424/641](#), [424/644](#), [424/646](#), [424/650](#), [428/402.24](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

KWWC

☐ 24. Document ID: US 5277913 A

L7: Entry 24 of 46

File: USPT

Jan 11, 1994

US-PAT-NO: 5277913

DOCUMENT-IDENTIFIER: US 5277913 A

TITLE: Liposomal delivery system with photoactivatable triggered release

DATE-ISSUED: January 11, 1994

## INVENTOR-INFORMATION:



NAME	CITY	STATE	ZIP CODE	COUNTRY
Thompson; David H.	Portland	OR	97229	
Anderson; Valerie C.	Lake Oswego	OR	97034	

US-CL-CURRENT: [424/450](#); [424/417](#), [428/402.2](#), [436/829](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

KUMC

☐ 25. Document ID: US 5169637 A

L7: Entry 25 of 46

File: USPT

Dec 8, 1992

US-PAT-NO: 5169637

DOCUMENT-IDENTIFIER: US 5169637 A

TITLE: Stable plurilamellar vesicles

DATE-ISSUED: December 8, 1992

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Lenk; Robert P.	Lambertville	NJ		
Fountain; Michael W.	Griggstown	NJ		
Janoff; Andrew S.	Yardley	PA		
Popescu; Mircea C.	Plainsboro	NJ		
Weiss; Steven J.	Hightstown	NJ		
Ginsberg; Richard S.	Monroe Township, Salem County	NJ		
Ostro; Marc J.	Griggstown	NJ		
Gruner; Sol M.	Lawrenceville	NJ		

US-CL-CURRENT: [424/450](#); [514/152](#), [514/192](#), [514/2](#), [514/29](#), [514/39](#), [514/41](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

KUMC

☐ 26. Document ID: US 5059421 A

L7: Entry 26 of 46

File: USPT

Oct 22, 1991

US-PAT-NO: 5059421

DOCUMENT-IDENTIFIER: US 5059421 A

TITLE: Preparation of targeted liposome systems of a defined size distribution

DATE-ISSUED: October 22, 1991

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Loughrey; Helen C.	Vancouver			CA
Cullis; Pieter R.	Vancouver			CA
Bally; Marcel B.	Bowen Island			CA
Choi; Lewis S. L.	Burnaby			CA
Wong; Kim F.	Vancouver			CA

US-CL-CURRENT: 424/417; 264/4.3, 424/418, 424/450, 435/4

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KIMC

☐ 27. Document ID: US 5030453 A

L7: Entry 27 of 46

File: USPT

Jul 9, 1991

US-PAT-NO: 5030453

DOCUMENT-IDENTIFIER: US 5030453 A

TITLE: Stable plurilamellar vesicles

DATE-ISSUED: July 9, 1991

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Lenk; Robert P.	Lambertville	NJ		
Fountain; Michael W.	Griggstown	NJ		
Janoff; Andrew S.	Yardley	PA		
Popescu; Mircea C.	Plainsboro	NJ		
Weiss; Steven J.	Hightstown	NJ		
Ginsberg; Richard S.	Monroe Township,	NJ		
Ostro; Marc J.	Griggstown	NJ		
Gruner; Sol M.	Lawrenceville	NJ		

US-CL-CURRENT: 424/450

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KIMC

☐ 28. Document ID: US 5008050 A

L7: Entry 28 of 46

File: USPT

Apr 16, 1991

US-PAT-NO: 5008050

DOCUMENT-IDENTIFIER: US 5008050 A

TITLE: Extrusion technique for producing unilamellar vesicles

DATE-ISSUED: April 16, 1991

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Cullis; Pieter R.	Vancouver			CA
Hope; Michael J.	Vancouver			CA
Bally; Marcel B.	Vancouver			CA

US-CL-CURRENT: 264/4.3, 424/1.21, 424/450, 428/402.2, 436/829

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KMC

☐ 29. Document ID: US 4937078 A

L7: Entry 29 of 46

File: USPT

Jun 26, 1990

US-PAT-NO: 4937078

DOCUMENT-IDENTIFIER: US 4937078 A

TITLE: Liposomal local anesthetic and analgesic products

DATE-ISSUED: June 26, 1990

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Mezei; Michael	Halifax			CA
Gesztes; Adrienn	Budapest			HU

US-CL-CURRENT: 424/450, 514/817, 514/818

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KMC

☐ 30. Document ID: US 4897269 A

L7: Entry 30 of 46

File: USPT

Jan 30, 1990

US-PAT-NO: 4897269

DOCUMENT-IDENTIFIER: US 4897269 A

TITLE: Administration of drugs with multiphase liposomal delivery system

DATE-ISSUED: January 30, 1990

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Mezei; Michael	Halifax			CA

US-CL-CURRENT: 424/450, 264/4.1, 264/4.6, 428/402.2, 436/829, 514/272, 514/78, 514/880, 514/887, 514/944

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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(ether adj1 lipid\$) same liposome\$	46

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**Search Results - Record(s) 31 through 46 of 46 returned.**☐ 31. Document ID: US 4761288 A

L7: Entry 31 of 46

File: USPT

Aug 2, 1988

US-PAT-NO: 4761288

DOCUMENT-IDENTIFIER: US 4761288 A

TITLE: Multiphase liposomal drug delivery system

DATE-ISSUED: August 2, 1988

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Mezei; Michael	Nova Scotia			CA

US-CL-CURRENT: 424/450; 264/4.6, 428/402.2, 436/829, 514/272, 514/78, 514/880,  
514/887, 514/944

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWC

☐ 32. Document ID: US 4241046 A

L7: Entry 32 of 46

File: USPT

Dec 23, 1980

US-PAT-NO: 4241046

DOCUMENT-IDENTIFIER: US 4241046 A

TITLE: Method of encapsulating biologically active materials in lipid vesicles

DATE-ISSUED: December 23, 1980

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Papahadjopoulos; Demetrios P.	Williamsville	NY	14221	
Szoka, Jr.; Francis C.	Buffalo	NY	14214	

US-CL-CURRENT: 424/420; 424/450

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWC

☐ 33. Document ID: US 4235871 A

L7: Entry 33 of 46

File: USPT

Nov 25, 1980

US-PAT-NO: 4235871  
DOCUMENT-IDENTIFIER: US 4235871 A

TITLE: Method of encapsulating biologically active materials in lipid vesicles

DATE-ISSUED: November 25, 1980

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Papahadjopoulos; Demetrios P.	Williamsville	NY	14221	
Szoka, Jr.; Francis C.	Buffalo	NY	14214	

US-CL-CURRENT: 424/450; 264/4.6, 424/196.11, 424/197.11, 424/204.1, 424/234.1,  
424/606, 424/812, 424/94.3, 424/94.6, 428/402.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KIMC

☐ 34. Document ID: WO 9611670 A1

L7: Entry 34 of 46

File: EPAB

Apr 25, 1996

PUB-NO: WO009611670A1  
DOCUMENT-IDENTIFIER: WO 9611670 A1  
TITLE: ETHER LIPID LIPOSOMES AND THEIR THERAPEUTIC USE

PUBN-DATE: April 25, 1996

INVENTOR-INFORMATION:

NAME	COUNTRY
MAYHEW, ERIC	
JANOFF, ANDREW S	
AHMAD, IMRAN	
BHATIA, SURESH K	

INT-CL (IPC): A61 K 9/127; A61 K 31/685  
EUR-CL (EPC): A61K009/127; A61K031/66

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

KIMC

☐ 35. Document ID: WO 9308202 A1

L7: Entry 35 of 46

File: EPAB

Apr 29, 1993

PUB-NO: WO009308202A1  
DOCUMENT-IDENTIFIER: WO 9308202 A1  
TITLE: FORMATION OF STABLE LIPOSOMES FROM LIPID EXTRACTS OF ARCHAEOBACTERIA (ARCHAEA)

PUBN-DATE: April 29, 1993

INVENTOR-INFORMATION:

NAME	COUNTRY
SPROTT, DENNIS G	CA
PATEL, GIRISHCHANDRA B	CA
CHOQUET, CHRISTIAN G	CA
EKIEL, IRENA	CA

INT-CL (IPC): A61K 9/127; C07H 15/04; C07H 15/08; C07H 15/26  
EUR-CL (EPC): A61K009/127; C07F009/10, C07H015/04

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KMC

☐ 36. Document ID: WO 200176556 A2 AU 200148302 A

L7: Entry 36 of 46

File: DWPI

Oct 18, 2001

DERWENT-ACC-NO: 2002-055196

DERWENT-WEEK: 200213

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TITLE: Use of lipid-based drug delivery system comprising active drug such as lysolipid derivative prodrug for treating diseases or detection of parasitic infections causing elevated phospholipase A2 level

INVENTOR: DAVIDSEN, J; FROKJAER, S ; JORGENSEN, K ; MOURITSEN, O G ; VERMEHREN, C

PRIORITY-DATA: 2000DK-0000616 (April 12, 2000)

## PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
WO 200176556 A2	October 18, 2001	E	079	A61K009/127
AU 200148302 A	October 23, 2001		000	A61K009/127

INT-CL (IPC): A61 K 9/127; A61 P 33/00

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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☐ 37. Document ID: WO 200174333 A1 AU 200155211 A

L7: Entry 37 of 46

File: DWPI

Oct 11, 2001

DERWENT-ACC-NO: 2001-662945

DERWENT-WEEK: 200209

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TITLE: A liposome having a lipid bilayer comprising D- and L- etherlipid stereoisomers is useful in treating cancer and inflammation, such as arthritic conditions, asthmatic disorders or allergic reactions

INVENTOR: AHMAD, I; JANOFF, A S ; MAYHEW, E

PRIORITY-DATA: 2000US-0540050 (March 31, 2000)

## PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
WO 200174333 A1	October 11, 2001	E	048	A61K009/127
AU 200155211 A	October 15, 2001		000	A61K009/127

INT-CL (IPC): A61 K 9/127

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KIMC

☐ 38. Document ID: US 6180137 B1

L7: Entry 38 of 46

File: DWPI

Jan 30, 2001

DERWENT-ACC-NO: 2001-234227

DERWENT-WEEK: 200124

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TITLE: Ether-lipid containing multiple lipid liposomes, useful for treatment of inflammation and cancer

INVENTOR: AHMAD, I; BHATIA, S K ; JANOFF, A S ; MAYHEW, E

PRIORITY-DATA: 1998US-0017440 (February 2, 1998), 1996US-0602669 (February 16, 1996), 1999US-0390395 (September 3, 1999)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
US 6180137 B1	January 30, 2001		011	A61K009/127

INT-CL (IPC): A61 K 9/127

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KIMC

☐ 39. Document ID: DE 19913640 A1 KR 2000061075 A

L7: Entry 39 of 46

File: DWPI

Sep 28, 2000

DERWENT-ACC-NO: 2000-639578

DERWENT-WEEK: 200124

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TITLE: Pharmaceutical composition comprising drug, e.g. anticancer agent, encapsulated in liposomes, containing polymer-lipid conjugate as stabilizer to inhibit liposome aggregation

INVENTOR: CHENG, J

PRIORITY-DATA: 1999DE-1013640 (March 25, 1999), 1999KR-0009859 (March 23, 1999)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
DE 19913640 A1	September 28, 2000		011	A61K009/127
KR 2000061075 A	October 16, 2000		000	A61K009/127

INT-CL (IPC): A61 K 9/127



Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KMC

☐ 40. Document ID: CN 1262925 A

L7: Entry 40 of 46

File: DWPI

Aug 16, 2000

DERWENT-ACC-NO: 2000-639142

DERWENT-WEEK: 200062

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TITLE: Preparation of liposomes for enclosing medicine involves adding polyalkyl ether lipid to prevent liposome agglutination

INVENTOR: ZHENG, R

PRIORITY-DATA: 1999CN-0100709 (February 11, 1999)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
CN 1262925 A	August 16, 2000		000	A61K009/127

INT-CL (IPC): A61 K 9/127; A61 K 9/50; A61 K 9/52; A61 K 31/70

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KMC

☐ 41. Document ID: US 5965159 A

L7: Entry 41 of 46

File: DWPI

Oct 12, 1999

DERWENT-ACC-NO: 1999-589894

DERWENT-WEEK: 200124

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TITLE: New liposome, useful for the treatment of e.g. cancer, comprises a phosphatidylcholine, a sterol, a headgroup-derivatised lipid and an ether lipid

INVENTOR: AHMAD, I; BHATIA, S K ; JANOFF, A S ; MAYHEW, E

PRIORITY-DATA: 1998US-0017440 (February 2, 1998), 1996US-0602669 (February 16, 1996)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
US 5965159 A	October 12, 1999		011	A61K009/127

INT-CL (IPC): A61 K 9/127

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Clip Img	Image							

KMC

☐ 42. Document ID: US 5762958 A

L7: Entry 42 of 46

File: DWPI

Jun 9, 1998

DERWENT-ACC-NO: 1998-347243

DERWENT-WEEK: 200124

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TITLE: Multilayered component ether lipid liposomes - useful as drug delivery vehicles or for treatment of cancers and inflammatory disorders

INVENTOR: AHMAD, I; BHATIA, S K ; JANOFF, A S ; MAYHEW, E

PRIORITY-DATA: 1996US-0602669 (February 16, 1996), 1994US-0323042 (October 14, 1994)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
US 5762958 A	June 9, 1998		008	A61K009/127

INT-CL (IPC): A61 K 9/127

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KnowC
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☐ 43. Document ID: MX 206557 B WO 9816200 A1 AU 9747567 A NO 9901770 A CZ 9901317 A3 US 5932242 A BR 9712329 A SK 9900493 A3 EP 966266 A1 CN 1240348 A NZ 335125 A AU 722092 B HU 200000523 A2 MX 9903518 A1 JP 2001502332 W KR 2000049128 A

L7: Entry 43 of 46

File: DWPI

Feb 8, 2002

DERWENT-ACC-NO: 1998-311994

DERWENT-WEEK: 200307

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TITLE: Lipid-based carrier having lamellar lipid component - comprising glycerol-lipid and complementarily-shaped lipid

INVENTOR: FRANKLIN, C J; JANOFF, A S ; MAYHEW, E ; PERKINS, W ; FRANKLIN, J C ; JANOFF, A

PRIORITY-DATA: 1996US-0720997 (October 15, 1996)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
MX 206557 B	February 8, 2002		000	A61K009/127
WO 9816200 A1	April 23, 1998	E	027	A61K009/127
AU 9747567 A	May 11, 1998		000	
NO 9901770 A	June 9, 1999		000	A61K000/00
CZ 9901317 A3	August 11, 1999		000	
US 5932242 A	August 3, 1999		000	
BR 9712329 A	August 31, 1999		000	
SK 9900493 A3	November 8, 1999		000	
EP 966266 A1	December 29, 1999	E	000	
CN 1240348 A	January 5, 2000		000	A61K009/127
NZ 335125 A	November 29, 1999		000	A61K009/127
AU 722092 B	July 20, 2000		000	A61K009/127
HU 200000523 A2	September 28, 2000		000	A61K009/127
MX 9903518 A1	August 1, 1999		000	A61K009/127
JP 2001502332 W	February 20, 2001		034	A61K031/661
KR 2000049128 A	July 25, 2000		000	A61K009/127

A INT-CL (IPC): A61 K 0/00; A61 K 9/127; A61 K 31/075; A61 K 31/661; A61 K 47/44; A61 P 35/00

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KwMC

☐ 44. Document ID: DE 59708666 G DE 19607722 A1 WO 9731927 A1 AU 9718795 A EP 883624 A1 EP 883624 B1

L7: Entry 44 of 46

File: DWPI

Dec 12, 2002

DERWENT-ACC-NO: 1997-436465

DERWENT-WEEK: 200282

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TITLE: New tetra:ether lipid for making liposome(s) - with saccharide (derivative) group, phospho group, and poly(isoprene) linker groups between two glycerol units

INVENTOR: ANTONOPOULOS, E; BAKOWSKY, U ; FREISLEBEN, H ; ROTHE, U ; FREISLEBEN, H J

PRIORITY-DATA: 1996DE-1007722 (February 29, 1996)

## PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
DE 59708666 G	December 12, 2002		000	C07H015/04
DE 19607722 A1	September 4, 1997		036	C07H015/04
WO 9731927 A1	September 4, 1997	G	092	C07H015/04
AU 9718795 A	September 16, 1997		000	C07H015/04
EP 883624 A1	December 16, 1998	G	000	C07H015/04
EP 883624 B1	November 6, 2002	G	000	C07H015/04

INT-CL (IPC): A61 K 9/127; A61 K 31/57; A61 K 31/70; A61 K 38/28; B01 D 15/08; B01 J 13/02; C07 F 9/10; C07 F 9/655; C07 H 15/04; C07 H 15/08; C07 H 15/26; C12 N 1/20; C12 P 7/24

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KwMC

☐ 45. Document ID: WO 9611670 A1 AU 9537625 A FI 9701494 A NO 9701643 A EP 785773 A1 BR 1100697 A3 JP 10507450 W KR 97705378 A AU 707414 B EP 785773 B1 ES 2153053 T3 DE 69519802 E

L7: Entry 45 of 46

File: DWPI

Apr 25, 1996

DERWENT-ACC-NO: 1996-221731

DERWENT-WEEK: 200115

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TITLE: New liposome(s) contg an ether lipid - used for treating cancers or inflammatory disorders e.g. arthritis, asthma or allergies

INVENTOR: AHMAD, I; BHATIA, S K ; JANOFF, A S ; MAYHEW, E ; BHATIA, S

PRIORITY-DATA: 1994US-0323042 (October 14, 1994)

## PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
WO 9611670 A1	April 25, 1996	E	045	A61K009/127
AU 9537625 A	May 6, 1996		000	A61K009/127
FI 9701494 A	April 10, 1997		000	A61K000/00
NO 9701643 A	June 9, 1997		000	A61K009/127
EP 785773 A1	July 30, 1997	E	000	A61K009/127
BR 1100697 A3	April 28, 1998		000	A61K009/127
JP 10507450 W	July 21, 1998		046	A61K047/06
KR 97705378 A	October 9, 1997		000	A61K009/127
AU 707414 B	July 8, 1999		000	A61K009/127
EP 785773 B1	January 3, 2001	E	000	A61K009/127
ES 2153053 T3	February 16, 2001		000	A61K009/127
DE 69519802 E	February 8, 2001		000	A61K009/127

INT-CL (IPC): A61 K 0/00; A61 K 9/127; A61 K 31/685; A61 K 47/06

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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☐ 46. Document ID: US N8402783 N

L7: Entry 46 of 46

File: DWPI

Dec 15, 1995

DERWENT-ACC-NO: 1996-128987

DERWENT-WEEK: 200173

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TITLE: Sn-2,3 and -2,3,2',3' liposome ether lipid use to encapsulate antigen - useful for stable, low permeability liposome delivery system with acid- and lipase-resistance esp. for the prepn. of oral vaccines

INVENTOR: CHANG, E L

PRIORITY-DATA: 1995US-0402783 (March 13, 1995)

## PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
US N8402783 N	December 15, 1995		027	A61K000/00

INT-CL (IPC): A61K 0/00

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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